

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product form:** Aerosol  
**Product name:** TYGRIS MOULD & TOOL CLEANER XTRA  
**Product code:** IS25  
**Vaporizer:** Aerosol

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Intended for general public

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

TYGRIS Industrial  
Unit 31, Kyle Road Industrial Estate Irvine  
Ayrshire  
KA12 8LE  
**Tel:** +44 (0) 1294 311 066  
**Email:** technical@tygrisindustrial.com

### 1.4. Emergency telephone number

Emergency number: 01294 311066 (office hours only)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification according to Regulation (EC No. 1272/2008 [CLP]

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full text of H- and EUH-statements: see section 16	

###### Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes skin irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

##### 2.2. Label elements

###### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



**Signal word (CLP):**

Danger

**Contains:**

PROPAN-2-OL, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

**Hazard statements (CLP):**

H222 - Extremely flammable aerosol.  
 H229 - Pressurised container: May burst if heated.  
 H315 - Causes skin irritation.  
 H336 - May cause drowsiness or dizziness.  
 H410 - Very toxic to aquatic life with long lasting effects.

**Precautionary statements (CLP):**

P102 - Keep out of reach of children.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 No smoking.  
 P211 - Do not spray on an open flame or other ignition source.  
 P251 - Do not pierce or burn, even after use.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

##### 2.3. Other hazards

No additional information available

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	CAS-No.: 64742-49-0 EC-No.: 927-510-4 REACH-no: 01-2119475515-33	70 – 90	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
HYDROCARBONS, C6 ISOALKANES, <5% N- HEXANE	CAS-No.: 64742-49-0 EC-No.: 931-254-9 REACH-no: 01-2119484651-34	10 – 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315
PROPAN-2-OL	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0	1 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.  
 Full text of H- and EUH-statements: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- First-aid measures general:** Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact:** Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs get medical advice/attention.
- First-aid measures after eye contact:** Rinse eyes with water as a precaution.
- First-aid measures after ingestion:** Call a poison center or a doctor if you feel unwell.

**4.2. Most important symptoms and effects, both acute and delayed**

- Symptoms/effects:** May cause drowsiness or dizziness.
- Symptoms/effects after skin contact:** Irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

**5.2. Special hazards arising from the substance or mixture**

Fire hazard: Extremely flammable aerosol.  
 Explosion hazard: Pressurised container. May burst if heated.  
 Hazardous decomposition products in case of fire: Toxic fumes may be released.

**5.3. Advice for firefighters**

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel**

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

**6.1.2. For emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

For containment: Collect spillage.  
 Methods for cleaning up: Mechanically recover the product.  
 Other information: Dispose of materials or solid residues at an authorised site.

**6.4. Reference to other sections**

For further information refer to Section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**7.3. Specific end use(s)**

No additional information available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.1.1 National occupational exposure and biological limit values**

No additional information available

**8.1.2. Recommended monitoring procedures**

No additional information available

**8.1.3. Air contaminants formed**

No additional information available

**8.1.4. DNEL and PNEC**

No additional information available

**8.1.5. Control banding**

No additional information available

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

**8.2.2. Personal protection equipment**

**Personal protective equipment symbol(s):**



**8.2.2.1. Eye and face protection**

Eye protection: Safety glasses

**8.2.2.2. Skin protection**

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

**8.2.2.3. Respiratory protection**

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

**8.2.2.4. Thermal hazards**

No additional information available

**8.2.3. Environmental exposure controls**

Environmental exposure controls: Avoid release to the environment.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Colourless.
Odour:	Characteristic.
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Extremely flammable aerosol.
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	0.72
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	Pressurised container, may burst if heated.
Oxidising properties:	No data available
Explosive limits:	No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

Extremely flammable aerosol. Pressurised container: May burst if heated.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**

Acute toxicity (oral): Not classified  
 Acute toxicity (dermal): Not classified  
 Acute toxicity (inhalation): Not classified

<b>PROPAN-2-OL (67-63-0)</b>	
LD50 oral rat	5045 mg/kg
LD50 oral	3600 mg/kg

<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal	> 2000 mg/kg

Skin corrosion/irritation Causes skin irritation.  
 Serious eye damage/irritation Not classified  
 Respiratory or skin sensitisation Not classified  
 Germ cell mutagenicity Not classified  
 Carcinogenicity Not classified  
 Reproductive toxicity Not classified  
 STOT-single exposure May cause drowsiness or dizziness.

<b>PROPAN-2-OL (67-63-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure: Not classified  
 Aspiration hazard: Not classified

<b>TYGRIS MOULD &amp; TOOL CLEANER XTRA IS25</b>	
Vaporizer	Aerosol

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
 Hazardous to the aquatic environment, short-term (acute): Very toxic to aquatic life.  
 Hazardous to the aquatic environment, long-term (chronic): Toxic to aquatic life with long lasting effects.  
 Not rapidly degradable

<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)</b>	
LC50 - Fish [1]	< 10 mg/l
EC50 - Other aquatic organisms [1]	< 10 mg/l

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.



## SECTION 14: Transport information

In accordance with ADR

### ADR

#### 14.1. UN number

UN 1950

#### 14.2. UN proper shipping name

AEROSOLS

#### Transport document description

UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS

#### 14.3. Transport hazard class(es)

2.1



#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment: Yes

No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR):	5F
Special provisions (ADR):	190, 327, 344, 625
Limited quantities (ADR):	1I
Excepted quantities (ADR):	E0
Packing instructions (ADR):	P207, LP200
Special packing provisions (ADR):	PP87, RR6, L2
Mixed packing provisions (ADR):	MP9
Transport category (ADR):	2
Special provisions for carriage - Packages (ADR):	V14
Special provisions for carriage - Loading, unloading and handling (ADR):	CV9, CV12
Special provisions for carriage - Operation (ADR):	S2
Tunnel restriction code (ADR):	D

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions  
 Contains no substance on the REACH candidate list  
 Contains no REACH Annex XIV substances  
 Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.  
 Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants  
 Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

**15.1.2. National regulations**

<b>France</b>	
<b>Occupational diseases</b>	
<b>Code</b>	<b>Description</b>
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

**Germany**

Employment restrictions: Observe restrictions according Act on the Protection of Working Mothers (MuSchG).  
 Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).  
 Water hazard class (WGK): WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).  
 Hazardous Incident Ordinance (12. BImSchV): Is not subject of the Hazardous Incident Ordinance (12. BImSchV).

**Netherlands**

SZW-lijst van kankerverwekkende stoffen: None of the components are listed  
 SZW-lijst van mutagene stoffen: None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Borstvoeding: None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Vruchtbaarheid: None of the components are listed  
 SZW-lijst van reprotoxische stoffen – Ontwikkeling: None of the components are listed

**Denmark**

Danish National Regulations: Young people below the age of 18 years are not allowed to use the product.

**Switzerland**

Storage class (LK): LK 2 - Liquefied or pressurized gases

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other information**

**Abbreviations and acronyms:**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

<b>Full text of H- and EUH-statements:</b>	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

**Safety Data Sheet (SDS), EU**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.